



# CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

<b>Name(s)</b> <b>Anthony Perez</b>	<b>Project Number</b> <b>J0623</b>
<b>Project Title</b> <b>Salt, Salt, Salt!</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives</b> The objective for this project is to see if there is an alternative to the road salt that they use to thaw the snow on mountains that will melt ice/salt faster.</p> <p><b>Methods</b> Tablespoon to measure the salt, 6 different salts, stopwatch, camera. Used stopwatch and camera to record the times of my experiments into my journal.</p> <p><b>Results</b> The results that I got was that table salt melted the ice the fastest in 29 minutes and 12 seconds. While I thought that rock salt would melt the ice the fastest with the time of 36 minutes and 43 seconds.</p> <p><b>Conclusions</b> My hypothesis was incorrect because I thought that rock salt was going to melt ice the fastest while table salt melted ice the fastest. Rock salt had a time of 43.08 and 36.43 minutes while table salt had a time of 29.12 and 30.30 minutes. I got these results because I thought that because rock salt doesn't have all the added chemicals that table salt has but it helped table salt melt the ice faster. A variable that could have affected my results was putting not enough or more than enough salt onto the measuring spoon. An improvement that I can make next time I do this experiment is not holding the ice when I put it into the cup so that the heat of my hands doesn't make the ice start to melt before I put it into the cup.</p>	
<b>Summary Statement</b> My project is about testing different salts on ice to see if they would melt ice faster than the road salts that they are currently using.	
<b>Help Received</b> My parents helped me set up the board but I worked alone during the entirety of this project.	